

10/588095

SEQUENCE LISTING

<110> SUNG, SOON-KEE
 LEE, YOUNG-PYO
 YU, GYUNG-HEE
 CHOI, YEON-OK

<120> The usage of MADS-box genes in fruit & seed development by
 regulating active gibberelin synthesis

<130> 428.1074

<150> PCT/KR05/00282
 <151> 2005-01-31

<150> KR10-2004-10432
 <151> 2004-02-17

<150> KR10-2004-6551
 <151> 2004-02-02

<160> 24

<170> KopatentIn 1.71

<210> 1
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 <212> DNA
 <213> Malus domestica

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 <223> Malus domestica mRNA for C-type MADS-box protein (MdMADS14)

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 atttttcatc cttgtaacaa tggagttcgc aaatcaagca cctgagagct ctacccaaaa 180
 aaaattggga agaggcaaaa ttgagattaa gcggatcgaa aacactacca atcgacaagt 240
 caccttctgc aaacgccgca acggattgct taagaaagcc tatgaattgt ctgttctttg 300
 tgatgctgaa gttgctctta tcgtcttctc caccctgggc cgcctctatg agtatgctaa 360
 caacagcggt agagcaacaa tcgacaggta caaaaaagca tgcgctgatt ctacggacgg 420
 tggatctgta tcagaagcta acactcagtt ttatcagcag gaagcatcaa aactgcgaag 480
 acagatccga gaaattcaga attcaaacag gcatatactg ggggaatccc ttagcacctt 540
 gaaagtcaag gaactgaaaa acctagaagg aagattggag aaaggaatca gcagaataag 600

atccaaaaag aatgaaatcc tgttttctga aatcgaattc atgcaaaaga gggagactga 660
 gctgcaacac cacaacaatt ttctgagagc aaagatagct gaaagcgaga gggaacagca 720
 gcagcagcaa acacatatga ttccgggaac ttcctacgat ccgtcgatgc cttcgaattc 780
 gtatgacagg aacttcttcc ctgtgatctt ggagtccaat aataaccatt accctcgcca 840
 aggccagaca gctctccaac ttgtttgaaa tgctggactg ccgtctgatg ttcttctatc 900
 catatcctct gatctgtctt cataaatcta tgagataatt gacgtttag tttttatgta 960
 tatgggagaa ccagtttgct catgttctcc ataatatata tatgtgtgat gatggacccc 1020
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<210> 2
 <211> 876
 <212> DNA
 <213> Malus domestica

<220>
 <221> gene
 <222> (1)..(876)
 <223> Malus x domestica AGAMOUS-like protein mRNA, complete
 cds (MdMADS16)

<400> 2
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 agctaacaga gaaaaccaca attcatcaat ttggaggggt ttttgccatt tttcatcctt 120
 gcaacaatgg agttcccaaa tcaagcaccg gagagctcct ccagaaaaaa attgggaagg 180
 ggcaaaaattg agattaagcg gatcgaaaac actacaaatc gacaagttac cttctgcaaa 240
 cgccgcaacg gattgcttaa gaaagcctat gaattgtctg ttctttgtga tgctgaagtt 300
 gctcttatcg tgttctccaa ccgtggccgc ctctatgagt atgctaacaa cagtgttaga 360
 gcaacaatcg acaggtacaa aaaagcatac gctgaccta cgaacagtgg atctgtttca 420
 gaagccaaca ctcagtttta tcagcaggaa gcatccaaac tgccaagaca gatccgagaa 480
 attcagaatt caaacaggca tatactgggt gaagctctta gtccttgaa cgccaaggaa 540
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 gaaatgctgt tttctgaaat cgaattcatg caaaaaaggg agaccgagct gcaacaccac 660
 aacaattttc tgagagcaaa gatagctgaa aacgagaggg aagagcagca gcatacacac 720
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876

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<223> 6th, 12th, 15th nucleotide 'n' represent inosine

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<210> 4
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<212> DNA
<213> Artificial Sequence

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tcngcgatyt tnshnckna

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<222> (1)..(20)
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aaraargcnt aygarytntc 20

<210> 6
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tctagaacta gtggatcccc cgggctgcag gaattc 36

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atccactgtt cgtaggatca gcgtatg 27

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ggctgcagga attcggcact aggcaatt 28

<210> 9
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gcaagcttat cagacggcag tccagc 26

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 <212> DNA
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<223> ACTIN forward primer

<400> 14
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<210> 15
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<212> DNA
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<220>
<223> ACTIN reverse primer

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<210> 16
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<220>
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gaaaacgaga gggaagagca gcagcatata cacatgatgc cggaacttc ctacgatcag 120
tcaatgcctt cgcattctta tgacaggaac ttctcccag cggatgatctt ggagtccaac 180
aataaccatt accctcacca agtccagaca gctctccaac ttgtttgaaa tgctggactg 240
ccgtctgat 249

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<220>
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<210> 18
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<210> 23
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<220>
<223> Le20ox-1 forward primer

<400> 23
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<210> 24
<211> 18
<212> DNA
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